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TI Phenolic resin compositions
PA Sumitomo Bakelite Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 4 pp.
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LA Japanese
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AB Al(OH)3 can be added as a flame retardant to phenolic resol compn. without interfering with the crosslinking reaction if it is combined with gypsum in a ratio of 0.5-0.40:1. Resol phenolic resin 100, water 10, gypsum 100, Al(OH)3 15, and 60% aq. p-toluenesulfonic acid curing catalysts 15 parts were mixed and applied to a 300-g/m² glass fiber mat, left overnight at 15.degree., then heated to 50.degree. for 2 h to obtain a reinforced plate apprx.3-mm thick, which past the Japanese Transport Ministry flammability test.

ST aluminum hydroxide fireproofing phenolic resin; resol
flame retardant aluminum hydroxide; gypsum
aluminum hydroxide flame retardant; calcium
sulfate aluminum hydroxide fireproofing
IT Fireproofing agents
(aluminum hydroxide-gypsum mixts., for